

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:252	Late	LPZ-223	TGGGCGAATCATATGGCTTGCATTTTCATTGTAACATGTATACGTTAAGGATTATCA TAATGCCTCCAAAACCTTGTATCTTCGTCCTTGCCACAATACATCCAGGATAACTAA TGGAAGCTTGACATGTCTTCACCAGTAATAATATATCAACTATAATACATGCCATTCT TTTATCAGTTTTGAACAAAATAATCGATTTGCATTCTTGACAAAGAACCTCGCGCAT AAAAACAAATAAATTCTCATAATGCCTCCCAAACCTTGTAGTCTGGGCCCTCAGTCG CCACAATCCATTTAAGAGGAATTTGGGGGTTGATAGTGCCCAGGTCCAATCTTCAT GAAAATTCGTTTCATCAATCTTTGCTGCATACACATCTCTCTGCTTTCATCTG GGATCGCACC
SEQ ID NO:253	Late	LPZ-224	CCACTATAATGAACATTGATATTACAAATATAATATACATTAATATTACAATTCAAATC ATTGACAATGAGCAGGCACTACTTGCAGTGCTTTGGAATTCAGACTTCTGATTTGCA ATTAATTCTTGTAGACGCTTTTCTGGGAGGGCAGGTTTTCCGCTTCAGAGAAAACC ACGTACAAAACGATATTAAATAAAAAATAGACACATACAAAAAATACTTCATTTTTTGC TCTTCCATTTGTTTTCTTCTCTATCTCCATTTTGGAGGGCTTAAATGACTTCAAAT TTAAAAGTCAACAACAGAGTGCAGCACATTCTATTAGCTTTGCTGTAAATATCTGAT TGGATCGCACC
SEQ ID NO:254	Middle	LPZ-225	GGTGCGATCCGCATTAAGAGAAGCATAACAAGAAAAAGAAGTACCTGCCTCTTGATT TGCGTCCCAAGAAGACTCGTGCTATCAGGCGACGCCTTACCAAGCATCAGGCATC ATTGAAGACTGAGAGACAGAAAAAGAAAGAGATGTATTTTCCAATGAGAAAGTATG CAGCCAAGGTGTAAAGCACAGGATTTGAGCTTTCATGCAATTTTTTTGTTACTCGCG GGATGATATTGCCTATTATATTTCCGTCCAAGTTTTTGGCAAATTCCTATTTGCATCA GAATTCAAGTTATGATAGGTGTTCTTTCTGTTTTTGAGCAGTTGATATTGTTTATCTTT TATTTCTATTATTAATCTTCTAAGTTGGATCGCAC
SEQ ID NO:255	Late	LPZ-226	AAACAGACAAATATAGAAATATGCATACATAAGTCCCTGCAGAATTGTTTTCCGCAA TGAATTCTGGTTTATGGCAACATTACCTACTTAGTACTAACCCTAAGATTATTTTCAG CTCTGATAAGTGGCATACTGTATCAATCTTGCATGAGTCTATCCCTGTTTTAATCT TTTGTTGGGATCGCACC
SEQ ID NO:256	Late	LPZ-227	GTGGAAGCTTCATTGTAAACACTACTGGTTTTGAGAGAACAAAATATATACGCTAG CCGAGTGGATTATAACAAAATATAGGCTTTATTCTATTGGATCGCACC
SEQ ID NO:257	Late	LPZ-228	GGTGCGATCCCATACATTAACATAGCCATCACAGCCCCAGTGGCAAAAGTACCAT AGCTGCAAAAACATTATAAACTAACATTCCTACAAGGAAATAAAATACAATAAAAA AGCAAGCAATAGGCATTAGGGGAGGGAGAAGCTAAACTATTAAGCAACTTACATG GGATGAAAGGCAATTGCGTTTACTGGATAAACAGTATCTCTGCCAGCCTCTGACTT GCGATGACATTTAAAGGCATATTTTTTAAGCTTGACCAGCTTCAGATACATCATAAT ACTCCATAGCCATGCGAGCTTCCACAGAACTAAGGGGCAAAACCTGTTCCATTTGG ATCGCATCA
SEQ ID NO:258	Late	LPZ-231	GGTGCGATCCAAGTGAAGAAGGTGTTTGGTGGAAAGATGACACCAAGTGGGTTCT CTATTCTCCAGAGGATGCAAGAAAAATTCTGAGAGCAAAGAAGAATGGGGACTCAA ATATTACGTTGGGTTCTGTAAATCTGCCAAGTACCCTTCAGGAAAGCTTTATGCCA TAGACCTGGTGGCCATGAAGCAAACCAATGTAAACACTGGCTTCTCCAGAGATATC AAAATCATCAATTCTTGCCCTACTGATGATCAGGAAGATGTAGAGTCTGATGAAGAA GATGAATTATTCACATTCTCTCGTCCTGTCAAAGTTGAAGTGATTAACCAGAGCAGG AAACCTGATAAGATTGTCAAGATGGTTCCTTCTGTCACTGTAGACCTTGAGAAATTG ACTTCTCAATACCTCCTGGAGGATGAGTGCAATTTGGTTCTAAAGCTTCCCAGGGC TGCAGCTGCCCAATCGGATCGCACC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:259	Middle	LPZ-233	GGTGCGATCCAGCTAATCAAACCTTAATGGAGAGCCCTTCCCAGGAAGAGTAAATGG TAGTCACTTGAAGCCCTACACGGGTGGGCTGGCGGTCTGACTAACTGACCAAAAC ATAGTCTTCGCGACCCAACAAGCCAGACAGAGGTGTGGGACTATAAGCACAAGTAC TAGAAGCTAGCATCAAAGTAGAGAATTAAGTTAGATACAGATGATTCAGAAGCAGAA ATGGAGCAGATCCAGACCACGGTAGCATGGTGAGTTACGAACCTTCACGCCACAC CAACGCAATTGGTTAAGACTTCGCACTAGGATCGCACC
SEQ ID NO:260	Late	LPZ-234	GGTGCAATCCATAGTTCTTTTCTAAGCGACTACTCTATCTCTTTTGACATTTCTCC AAATATTGGGTCTTTCAGTTCCTTCAAATGCTAGAATCATATCAACATGGGATTTAG TGAGGCCGCAATACTAACCAGGGCATTAAATAATACATTTTCATTGATCCTATTCCC AAAACATTTCCCGCTATCGTACGTTGACTCAGCATATTTAGAGCAATTCTTCTTACA AACCTTAAGAAGGTTGTTTCATGATAGTCTTTCGGTCTGCAATATTGGATCGCACC
SEQ ID NO:261	Late	LPZ-235	GGTGCGATCCCACCCAAGAGTTAAATTCATTCTCCGCCTTTCTGAGGAAGAGCAC TCTTTGGATGATATGAAAAGTGGTCCACTCTTAAAAACCGTATTCGGAACCCTGTTT CGCGGACGGTCGTATGGCGTAACCGGCGCAGACATTTTATCTCCTCACACAATATC AACATTCAAGTCCCCGCTGTTCCCCGTTGCCCTTTCTCTGCTCCCGACCGTTAAACA AGAACGACCACAAGAATGAACAACACCGCAACCGAAACCTGACCCTCCACGTTGTC TTCGGTTCGGATCGCACC
SEQ ID NO:262	Late	LPZ-237	GCGGACGCCTGGCAAAAACAGAGGGTATGCTCAAGCCTTACAGAAATTGAAAAATA AGAGAACGTATGACCATCAATCTCAATCTCAAGAAAAGAAGTTGCAATACGACTCCA ACACTTTTGAAAGTTGGAGGTTTGCTCTTTCTAGCGTTGCAGACATGGTTGGTTTTG AGCTGGAAGCGTGTAACGGGCACCTTACAGTTGCGGGAATTGGAGATTGAGGACC CCCTCTCAAACGTCGATAGGGAGGCTAAGCATCTATAGAGGATTGTGATTGGTCCT TTCCGCTACATGAAAGAAAGTCAAACCTCAGAAAATTACCAGAAGAATTCTGTCGT CTTCTCGCAGCCGT
SEQ ID NO:263	Late	LPZ-239	GACGTTGTAAACGACGGCCAGTGTAAGAGCAGCCCCGATGCGCCGAAGCTCGC GAGGGAAAAGCTGCAGAAGATGGGACCGATGACCAAGAATGAGATCATCATGAGC GGCACGCTACTGGTCACGGTGGGTCTTTGGATATTTGGGGGAATGCTGAACGTGG ATGCTGTTACTGCAGCGATCCTTGGTTTGTCTGTCTACTCTGCACAGGCGTCCGC
SEQ ID NO:264	Late	LPZ-240	TACGGCTGCGAGAAGACGACAGAAAGCAGAACCTGCCAATATAGGATCAATTGAATG TTGTGGGATTGCTGCATGCCACCTTTCCAGTTATTACTGCCTTGAAGAACCCAC AGCCAGCGAGTAAGGGCCCGGGTTTCGAACCAATCACAGATGTAGGATAATCGCT TGAAACATGCATAGCGAATATGCCTTCCACATTTTCCAGTGCTCCCTCCTCTATCAT TCTTTTTGATCCTGCACCTGATTCTCTGCAGGCTGGAAGAGTAATATGACAGTTCC CTGTAACAAATGCTGACGTTGTTGCAAAATCTTTGCACCACCAAGAAGCATGGTAA CATGTGCATCATGTCCACAGGCGTCCGC
SEQ ID NO:265	Middle	LPZ-241	TACGGCTGCGAGAAGACGACAGAAAAGAGGGCAAACCGAGCTCGACACCTCCACTC AGAGCATTTGCAAAAATCCACAACAAATCTGGAGCCAAGGTCTTTCCTCATTGAAA ACATTTATCGGACACATCAATGTCTGTAGTCTTTCCTATGGTCCATCCAGAGTAATC ACGGGAAGAACAATGCACTTCAGTTCAGAAATTTTGTATGACAGCTATCAGCTCCTG ATCCTTTGAACCAGGTATATAATAATCTTGACCTGACTCCTGTTTCAACAGTGTAGA GGTTCTGTCAACCTCAAGCAATGAATCGGCAGAACTTCCATTTGCTGTTTTGTCAAT ACAGGCATTGTTTTTACCAAGACTGTGACGCATCTTCTGTCTTGTCTATACAGTGC AGTTTGTTCAGCATAGACTTATGTGCTAGAACATGTCTTCTTTTAAATTGTAAGA GAAATGTAGGGGTTGACTGCTTTTACTGAGGCGTCCGC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:266	Middle	LPZ-242	ACGGCTGCAGAAGACGACAGAACCCTGGCTGACTACAACATTCAAAGGAGTCTAC CCTGCATCTGGTGCTCCGTCTAAGAGGAGGCATGCAGATTTTTGTTAAAACCCTTA CAGGCAAAACAATTACTCTGGAAGTGGAAAGCTCGGACACTATTGACAATGTAAAA GCTAAGATCCAGGACAAGGAGGGAATCCCACCTGACCAGCAGAGGTTGATCTTTG CCGGAAAGCAGCTAGAAGATGGTCGTA CTCTGGCCGATTACAACATT CAGAAGGA GTCGACCCTTCACCTGGTGCTCCGTCTCCGTGGTGGCTTTTAGGTTGGCTGTTGT GTGTCAATGTAGTCTGGTGATGTT CAGTGGTTTTCTGCTTAATCCTTTTTATGTAT GCATGTGTTTGTGTGTTTGTGTTTTGTCTCTATGTTTTTCTACTTGGTTTGTGGT CGGTTGAAGCCCGGCTGGTGTCTGGTAGGCGTCCGC
SEQ ID NO:267	Middle	LPZ-243	GCGGACGCCTGGACAAACACAGAAGGCGAAGTAAAAGCCAGTCTTACTTTTCATGT AAATACTATCAAACCTGCATGGCCGTTCCGCTGGTTGGCAATACCACACCTGCGCCG GTAGTGCCAATGAACACTGCACCGGCAGCTCTTTCAGAAGTTGCAGAGGACTTACC ATTTTAATTTTCACGGCATCCCGTCAAACGGCGGGATGCTTTTAATTTTTTAATCAA AAAAATATTAATTATGGCACACAATATTGTTTTCAACGAACAGACAGGCAAACACA GTTTCTTTAGTGTAAAAGAAAAAGCATGGCATGGTTTGGGGCAAATTGTACAGGAC TATCCCAACAGTAAAGAAGCATTGCAATTTGCAGGGCTTGATTTTGAAGTTTGCAA AGGCCCAATATTCACAGGCTTGATAATGGTAATGAGATTATTTCTACCAGTTCATT TATACTTACCGTCCTGATACCAACGCCATATTAGGCGTCCGC
SEQ ID NO:268	Late	LPZ-244	GCGGACGCCTGAACATAGGAGCATTCTTAAGCATATCAGGTATAACCATAAACCTG ACTTTGCTGCCCCGAATAAAGACATGCTCCAATTGGGATACTTTTCCATCCTTGGCA GTGTAAGTGATGCCCTCGAGCTGGCAATTCCAGTTATCTTCGCATTTCGATCATGCT ACCCCTGTACAGCTCGCCACTTTTGAGTTCAACTGTCACAACATGCCCGGCTGCTT CATGGAGCAACTTCACAGGAATCCCCAACTTCTGCTCATTTTTTTGTCACTGCTCA AAAACCCTAAACCCAGATAAAACCCTCGGTTCTGTGCCTTTTATCCCCGGGTGGC TTATTGTTGCAGTAGTTGGCAACGGCTAGACTTACTCACATTTTGATTTCAATCTTT CTAAGTTTGCCCTTTTGGGTTTTCTCACAGTAGATCCTATTTTATGTATTTTCTCGT CTTCTCGGCAGCCGTA
SEQ ID NO:269	Late	LPZ-246	GCGGACGCCTGCAGGAATCGGCCGATTTGCAGTTCGAGGCATAAGCGCATCGAG GTCGCGTTTCGATGTAGCAATTAAGCGCGCATGAACCGCCGCTAAGCAAGCCAGTC CCAATCAAAGCACATGCAAAGCGGATGCAATCAAATCTTCCGTTGTAAGCAAGCAC AAATCCAACCTGCACATGAGATCACCACCATGAATGCAATTCGAGTGCAGGCTAAAT CCCAAAACGCTGCGAGTGTCCTTGAAGGCGATTGCTATGTAATATTTGACCGCTG CTCAACACAAGCAGTACTCCAAACACCAGTGCTTCCGCCGTCAATTCTGTCGTCTT CTCGCAGCCGTA
SEQ ID NO:270	Late	LPZ-247	CTGCGAGAAGACGACAGAACACAGACACAAAATTTGGAACTACAGAAAAGACCAT GTCATGAAATCTTCATAATTGGGCTTCAGATGCAGAGGGGGTGGTTTTTGGATTAA GCAATGGCTGAAGTGCTTTGACAACAATACTCATGTTAGGACGAAAATCTGCTTCAT ACTGCACACACAATGCCGCAACAGCAGCCATCTTTCGAACAGCCTTTGGAGGATAT TCACTCTTCAACTTGGGATCAACACACTGCTTTACTTTGTCTTCACTCAATCTTGA GTTGCCCAAGTAACAAGGCTTTGTTGTCCCTAGGCATTGTATGGTCCACAGGCGT CCGC
SEQ ID NO 271	Late	LPZ-248	TACGGCTGCGAGAAGACGACAGAAAGAGACAGGCTTGGACTTCGTGGCCTTCTTC CACCACGCATTATTTCTTTTCAGCAGCAATGTGATCGTTTCATGGTTTCTTTAGAT CCCTGGAGCATAAACTCGAGATGGTTCAGCTGACTTAACAGCTCTGGCAAATGG CGTATTCTTAACAGATTGCATGACAGAAATGAAACACTATACTACAAGGTTCTTATA GATCACATTGAAGAGTTTGTCTCCAATAATCTACACTCCAAGTGTAGGATTGGTTTGT CAGAATTATGGTGGGCTGTTTCAGGCGTCCGC

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